MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

BR-86

M. A. R. 57 (Rule 116)

Measurement Book

No. B 567145

l No. I&E Fund BIY

e of Work Improvement and asphalting 5th, 6th, 7th and 8th cross (Between 4th main and 8th main) Bhuvaneshwari nagara in Bagalagunte ward no. 14, Dasarahalli sub

e of Contractor of nature of Agency Sri

of commencement of work

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Division (2nd call).						
EST. cost :- Rs. 20,00,000/-						
Job code no :- 014-17-000012						
As/no :- CE/02/As/55/16-17, dt: 09/01/2017						
TS/no :- EE/22/TS/84/16-17, dt: 10/01/2017.						
Work order no :- EE/22/wo/04/2017-18, dt: 27/04/2017						
Agency :- Sri. K. Jagadish.						
Date of commencement :-						
Date of completion :- 20-05-2017						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1	Earthwork excavation by manual means in ordinary soil including all lifts upto 0.75 m, in multis and on any slope, for the required cutting to required profile, dressing the disposal earth to the required level or slope, complete as per specifications.						
	= Qty vide premeasurement ref SMB no. 1684/10-11 page no. 168389	310.80				m³ Qty. 78.19/cum Rs. 24301.00	
2	For grading I materials construction of granular sub-base by providing coarse graded crushed stone aggregate or granular/crushed aggregate in uniform layers with water sprinkled on prepared surface mixing by a mix in place method with rotate tiller at one, and compacting with vibratory roller to achieve the dense density, complete as per specification by mix in place method for coarse graded granular sub-base materials I Rs 400-2 for grading						

M. A. R. 57 (Rule 116)
Measurement Book

No. B
567146

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
2 materials.	= Qty vide premeasurement ref SMB no. 1684/10-11 page no. 168390					
	103.60				m³ Qty. 1366.43/cum Rs.	141566.00
providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including the mixing the materials with water at one in mechanical mix plant/camp of mixed material of sub-base/base course on well prepared surface and compacting with power in sub-base/base layer, with vibratory roller to achieve the required density, complete as per specification specification no. 400 with all lead, and lift lift, complete as per the directions of table.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7 (1684/10-11)	8
	= Qty vide premeasmnt ref SOR No: 1684/10-11 page No: 168390						
	238.28 m² @ Rs. 1590.58/cum Rs.						378999.00
4)	providing and applying prime coat with S.S bitumen emulsion on prepared surface of granular, sand sub base, wbm including cleaning of road surface and spraying prime at the rate of 0.6 kg/sqm using mechanical mean complete as per specification, with all lead and lifts etc. complete as per the directions of work.						
	= Qty vide premeasmnt ref SOR No: 1684/10-11 page No: 168391/1						
	1036.00 m² @ Rs. 24.79/sqm Rs.						25682.00
5)	Cleaning the existing black topped surface with broom, soft brush and finally dusting with old gunny bags and by compressed air to remove bituminous treatment including cost of all materials, labour, Hire of						

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Measurement Book

No. B

No. .....

567147

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
machinery, complete as per specification.						
= Qty vide premeasmnt ref SOR No: 1684/10-11 page No: 168392/1						
2072.00 m² @ Rs. 2.86/sqm Rs.						5926.00
5) Providing and applying tack coat on the prepared black topped surface at 5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, Hire of machinery complete as per specification						
= Qty vide premeasmnt ref SOR No: 1684/10-11 page No: 168393						
2072.00 m² @ Rs. 10.49/sqm Rs.						21735.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7/1	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mix formula. for base/ binding course including loading of aggregate with F.E loader, hot mixing of stone aggregate and bitumen in hot mix plant 40~ tonne capacity, transporting the mixed, materials, as approved to paver and laying mixed material with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75 mm compacted thickness. with 3.3%. bitumen but excluding the cost of primer/tack coat with lead including cost of all materials, labour, hire or machine complete as per specification with 80/100 grade bitumen mix 40/60 TPH capacity, H.M.P with mechanical paver finisher (50/75 mm) with 3.30%. VG-30 bitumen as per the direction Elg.					
	= Qty vide Remeasurement ref SDR No. 1684/16-11 Page No: 168393/-						
		51.80 m³			Qty. 4711.67/cum	Rs.	244062.6

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567148

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing and laying bituminous carpets with hot mix plant using crushed aggregate of specified quality premixed with bituminous binder and delivering the hot mix to road site laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause no 500.4 complete in all respect complete as per specifications clause no. 509 using 40/60 TPH. capacity H.M.P with mechanical paver fr- IF (30 mm to 45 mm) with 6%. VG-30 bitumen -						
5th CWB	1 x 1	30.00	$\frac{(6.00+6.00)}{2}$	0.045	= 8.10	
	1 x 1	30.00	$\frac{(6.00+6.00)}{2}$	0.045	= 8.10	
	1 x 1	30.00	$\frac{(6.00+6.00)}{2}$	0.045	= 8.10	

E.E. (D.D.)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6th cross road =	1×1	30.0	$\frac{6.00+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
	7th cross road =	1×1	30.0	$\frac{6.00+6.0}{2}$	0.045	= 8.10	
		1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	

E.E. (D.D.)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

No. .....

of Work ..... From..... To..... 567143

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1×1	30.0	$\frac{6.00+6.0}{2}$	0.045	= 8.10	
	1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
	1×1	30.0	$\frac{6.0+6.0}{2}$	0.045	= 8.10	
	1×1	8.0	$\frac{6.0+6.0}{2}$	0.045	= 2.16	
					139.88 m	
				Less to	139.86 m	
				@ Rs. 654.58/cum	Rs.	91476.0
Disposal of debris to the usual place of disposal with all lead and						

E.E. (D.D.)

MEASUREMENT BOOK

Date	Description, etc, of work	Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Lift and as directed by the Engineer in charge of the work.						
	Lead 4 kms.				Qty vide	Item no (1)	310.80
							310.80 m³
	Intd Quotation at the Rate					Rs. 72.69/cum	Rs. 22592.50
							Total Rs 17,79,629.00
	25% Certificate						
	* work done is satisfactorily						
	* All debris cleared from the work spot						
							J.A. 23/5/2017

Audited and admitted for Rs. 17,79,629-00
Passed by Cheque for Rs. 16,48,827-00
( )
by adjus. 130802-00

K Shanthu
Asst. Engineer
Accounts Supervisor
B.B.M.P. Dasarahalli Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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No. B

567150

No. ..... From ..... To .....
of Work .....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Hexagonal maintenance						Accounts Formspot

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು